



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Inventor(s):

**David Garrett** 

Case:

12

Serial No.:

10/804411

Filing Date:

March 19, 2004

Examiner:

**Group Art Unit:** 

3629

Title:

Method Of Sphere Decoding With Low Complexity And<BR>Good

Statistical Output<BR>

**COMMISSIONER FOR PATENTS** 

P.O. BOX 1450

**ALEXANDRIA, VA 22313-1450** 

SIR:

# <u>INFORMATION DISCLOSURE STATEMENT</u> <u>UNDER 37 CFR 1.97(b)</u>

In accordance with 37 CFR 1.97(b), the enclosed Information Disclosure Statement, where with attached reference(s), is submitted for consideration in the above-identified to the application.

Copies of the listed documents are enclosed together with the search report that listed; these documents.

#### NO FEE IS REQUIRED

In the event of any non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Lucent Technologies Deposit Account No. 12-2325** as required to correct the error.

Respectfully,

Martin I. Finston, Attorney

Reg. No. 31613

908-582-2908

Date:

Docket Administrator (Room 3J-219)

Lucent Technologies Inc. 101 Crawfords Corner Road Holmdel, NJ 07733-3030

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on August 3, 2005.

Rose E. Ewald



### INFORMATION DISCLOSURE STATEMENT

Case Name. D. Garrett 12
Serial No. 10/804411
Applicant: D. Garrett, et al.
Filing Date: March 19, 2004

Filing Date: March Group: 3629

## **U.S. PATENT DOCUMENTS**

*Examiner		Document	Date	Name	Class	Subclass	Filing Date
Initial		Number					
	AA	2003/0076890	4/24/2003	Bertrand M. Hochwald, et al	375	264	7/26/2002
	<u> </u>						
							,
•				-			
			1				
	<del> </del>						
							<u> </u>

## **FOREIGN PATENT DOCUMENTS**

	Document Number	Date	Country	Class	Subclass	Translation

OTHER (including Author, Title, Date, Pertinent Pages, etc.)

	<b>3</b>
AB	David Garrett, et al, "APP processing for high performance MIMO systems," IEEE Custom Integrated Circuits Conference, CICC, New York, NY, Conf. 25, (9-21-03), pp. 271-274.
AC	David C. Garrett, et al, "19.2 Mbit/s 4 x 4 BLAST/MIMO detector with soft ML outputs," ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 39, no. 2, (1-23-03), pp. 233-235.
AD	Haris Vikalo, et al, "Modified Fincke-Pohst algorithm for low-complexity iterative decoding over multiple antenna channels," <i>IEEE International Symposium on Information Theory, New York, NY</i> , (6-30-02), p. 390.
AE	European Search Report, Appl. No. 05251289.4-2415 PCT/, (7-11-05).

<sup>\*\*\*</sup>References listed beyond AZ would list as AA-1, AB-2, AC-3 thru AZ-26.

EXAMINER	DATE CONSIDERED

<sup>\*\*\*</sup>Note First Page ONLY Header/Footer. Subsequent pages must ONLY have page # layout as header

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant